

## SEQUENCE LISTING

<110> De Strooper, Bart  
 Annaert, Wim

<120> Binding Domains Between Presenilins and Their Substrates  
 as Targets for Drug Screening

<130> 2676-6086US

<150> PCT/EP/02/043033  
 <151> 2002-03-15

<150> EP01201015.3  
 <151> 2001-03-16

<160> 22

<170> PatentIn version 3.2

<210> 1  
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 <212> PRT  
 <213> Artificial

<220>  
 <223> Human transmembrane region 1 of presenilin 1

<400> 1

Val	Ile	Met	Leu	Phe	Val	Pro	Val	Thr	Leu	Cys	Met	Val	Val	Val	Val
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Ala Thr Ile Lys Ser  
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Val Ile Met Leu Phe Val Pro Val Thr Leu Cys Met Ile Val Val Val  
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Ala Thr Ile Lys Ser  
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<210> 3

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<223> carboxy-terminal of human presenilin 1

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Leu Ala Phe His Gln Phe Tyr Ile  
1 5

<210> 4

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<223> carboxy-terminal of human presenilin 2

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Leu Ala Ser His Gln Leu Tyr Ile  
1 5

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<220>

<223> Part of the transmembrane region of human APP

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Thr Val Ile Val Ile Thr Leu Val Met Leu Lys  
1 5 10

<210> 6

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<220>

<223> Part of the transmembrane region of telencephalin

<400> 6

Val Ala Gly Pro Trp  
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<210> 7

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<221> SITE

<222> (19)..(34)

<223> conserved transmembrane region

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Val Val Ile Ala Thr Val Ile Val Ile Thr Leu Val Met Leu Lys Lys  
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Lys Gln Cys Arg Gln Leu Arg Ile Ala Gly Arg Arg Leu Arg Gly Arg  
20 25 30

Ser Arg

<210> 8  
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<400> 8

Val	Val	Ile	Ala	Thr	Val	Ile	Val	Ile	Thr	Leu	Val	Met	Leu	Lys	Lys
1				5					10					15	

Lys Gln

<210> 9  
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<220>  
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<220>  
<221> misc\_feature  
<222> (1)..(1)  
<223> X is a palmitoyl group

<400> 9

Xaa	Leu	Val	Gln	Pro	Phe	Met	Asp	Gln	Leu	Ala	Phe	His	Gln	Phe	Tyr
1				5					10					15	

Ile

<210> 10  
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<222> (1)..(16)  
<223> conserved transmembrane region

<400> 10

Gly Arg Gln Leu Arg Ile Ala Gly Arg Arg Leu Arg Gly Arg Ser Arg  
1 5 10 15

Leu Val Gln Pro Phe Met Asp Gln Leu Ala Phe His Gln Phe Tyr Ile  
20 25 30

<210> 11  
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<220>  
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<400> 11

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<222> (16)..(31)  
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Ala Thr Val Ile Val Ile Thr Leu Val Met Leu Lys Lys Lys Gln Gly  
1 5 10 15

Arg Gly Leu Arg Ile Ala Gly Arg Arg Leu Arg Gly Arg Ser Arg  
20 25 30

<210> 13

<211> 15

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<213> Artificial

<220>

<223> synthesized peptide

<400> 13

Ala Thr Val Ile Val Ile Thr Leu Val Met Leu Lys Lys Lys Gln  
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<222> (1)..(1)

<223> X is a palmitoyl group

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Xaa Leu Ala Phe His Gln Phe Tyr Ile  
1 5

<210> 15

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<222> (1)..(1)  
<223> X is a palmitoyl group

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1 5 10

<210> 16  
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Leu Ala Phe His Gln Phe Tyr Ile  
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<222> (1)..(16)

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Gly Arg Gln Leu Arg Ile Ala Gly Arg Arg Leu Arg Gly Arg Ser Arg  
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Phe Met Asp Gln Leu Ala Phe His Gln Phe Tyr Ile  
20 25

<210> 18

<211> 8

<212> PRT

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<400> 18

Leu Ala Phe His Gln Phe Tyr Ile  
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<210> 19

<211> 12

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<400> 19

Phe Met Asp Gln Leu Ala Phe His Gln Phe Tyr Ile  
1 5 10



<210> 20  
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<220>  
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 <222> (1)..(16)  
 <223> conserved transmembrane region

<400> 20

Gly Arg Gln Leu Arg Ile Ala Gly Arg Arg Leu Arg Gly Arg Ser Arg  
 1 5 10 15

<210> 21  
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 <222> (1)..(18)  
 <223> c-terminal amino acids of mouse TLN coupled to KLN

<400> 21

Gly Ala Glu Gly Gly Ala Glu Thr Pro Gly Thr Ala Glu Ser Pro Ala  
 1 5 10 15

Asp Gly

<210> 22  
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<213> Artificial

<220>

<223> synthesized peptide

<400> 22

Met	Ala	Asp	Ile	Lys	Asn	Asn	Pro	Glu	Tyr	Ser	Ser	Lys	Leu	His
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